



NOVA ScienceNow video: Stem Cells BREAKTHROUGH (Reprogramming)

<http://www.pbs.org/wgbh/nova/sciencenow/0305/03.html>

Questions:

1. Describe what causes sickled red blood cells to form, and what sickle cell anemia is.
2. Which stem cells can create any cell in the body? Where are they found?
3. What makes different cell types in the body different from each other?
4. What is Yamanaka's basic theory on turning regular skin cells into Pluripotent stem cells?



5. How did he deliver these cell-function-changing genes?

6. How do you think induced Pluripotent Stem Cells could be used to cure HbS?